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CENTRAL FAX CENTER****In the United States Patent and Trademark Office      FEB 28 2008**

Appellants:	Clayton Troxell et al.	Docket No.:	18,951
Serial No.:	10/748,649	Group:	1791
Confirmation No.:	6902	Examiner:	M. Halpern
Filed:	December 30, 2003	Date:	February 28, 2008
For:	ROLLED PAPER PRODUCT HAVING HIGH BULK AND SOFTNESS		

**Appeal Brief Transmittal Letter**

Mail Stop Appeal Brief - Patents  
Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

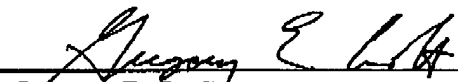
Sir:

Pursuant to 37 C.F.R. 41.37, transmitted herewith is an Appeal Brief pursuant to the Notice of Appeal which was mailed on February 6, 2008.

Please charge the \$510.00 fee (fee code 1402), pursuant to 37 C.F.R. 41.20(b)(2), which is due to Kimberly-Clark Worldwide, Inc. deposit account number 11-0875.

Respectfully submitted,

CLAYTON CHARLES TROXELL ET AL.

By:   
Gregory E. Croft  
Registration No.: 27,542

**CERTIFICATE OF TRANSMISSION**

I, Judy Garot, hereby certify that on February 28, 2008 this document is being facsimile transmitted to the United States Patent and Trademark Office, Fax No. (571) 273-8300.

Typed or printed name of person signing this certificate:

Judy Garot

Signature:



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**Brief on Appeal to the Board of Patent Appeals and Interferences**

Mail Stop Appeal Brief - Patents  
Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. 41.37 Appellants respectfully submit this Brief in support of their Appeal of the **Final Rejection** of claims 1, 3-17 and 22-28 which was mailed on November 14, 2007.

On February 6, 2008, Appellants, pursuant to 37 C.F.R. 41.31 mailed a timely Notice of Appeal. Thus, the time period for filing this Brief ends on April 6, 2008.

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**Real Party in Interest**

The real party in interest is Kimberly-Clark Worldwide, Inc., the assignee of record.

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**Related Appeals and Interferences**

There are no known related appeals and/or interferences.

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**Status of Claims**

Claims 1-17 and 22-28 remain in the application with claims 1, 3-17 and 22-28 being finally rejected. No claims have been allowed or confirmed, claim 2 has been withdrawn and claims 18-21 have been cancelled. The appealed claims include 1, 3-17 and 22-28 and appear in the CLAIMS APPENDIX of this Brief.

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**Status of Amendments**

No amendments after final rejection have been filed.

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**Summary of Claimed Subject Matter**

The invention of independent claim 1 is directed to a product comprising a wound roll of a single-ply tissue web (see specification at page 2, lines 4-5). Prior to winding the tissue web into the roll, a chemical additive is extruded onto at least one surface of the tissue web (see specification at page 1, lines 28-30). The resulting treated tissue web exhibits a Fuzz-On-Edge value of about 1.8 mm/mm or greater (see specification at page 2, lines 9-10). The wound roll exhibits a roll bulk of about 10 cc/g or greater (see specification at page 2, lines 5-6).

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**Grounds of Rejection To Be Reviewed on Appeal**

The sole ground of rejection is whether or not claims 1, 3-17 and 22-28 are unpatentable under 35 U.S.C. 102(e) as being anticipated by U.S. 6,887,348 to Hermans.

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**Argument**

Rejection of Claims 1, 3-17 and 22-28 Under 35 U.S.C. 102(e) As Being Anticipated By U.S. 6,887,348 to Hermans

Briefly, Appellants' claimed invention pertains to the discovery that using extrusion to apply chemical additives to one or both surfaces of a tissue web in the form of filaments preserves a significant amount of the softness of the tissue web as measured by the Fuzz-On-Edge test. Insofar as surface fuzziness is an important component of tissue softness, retaining as much fuzziness as possible during manufacturing is an important objective. It is believed that the nature of the extruded filament deposits, which inherently are present only in discrete areas of the tissue surface, avoids matting down the fuzziness of the tissue web. This is to be distinguished from conventional chemical addition methods such as spraying or printing, which substantially cover the entire surface of the web. (See specification at page 13, lines 11-25.)

Turning to the sole ground of rejection, claims 1, 3-17 and 22-28 stand rejected under 35 U.S.C. § 102(e) as being anticipated and thus unpatentable over U.S. 6,887,348 to Hermans, which teaches the application of polysiloxane to a web, such as by spraying or printing. It is asserted that the method of application of the chemical additive (extrusion) does not structurally differentiate the claimed product over Hermans et al. However, Appellants disagree for two reasons.

First, the claimed products recite the presence of "filaments", which clearly is structure and cannot be ignored. Hermans et al. does not disclose the presence of polysiloxane filaments. In this regard it will be appreciated by those of ordinary skill in the tissue making arts that printing or spraying, which are commonly used to apply softening chemicals to tissues, do not produce filaments on the tissue sheet. In particular, printing provides many very small deposits that are more like "dots" than anything else.

They certainly are not "filaments". Similarly, spraying produces a mist of fine droplets. Again, spraying does not produce filaments as claimed. On this basis alone, Hermans et al. does not anticipate Appellants claims.

Furthermore, it is Appellants' position that the fact that the filaments are described as being "extruded" or "melt blown" (claim 28) further defines the structure of the filaments. Those skilled in the art will appreciate that extrusion processes, such as meltblowing processes, inherently produce a certain filament structure due to the viscous nature of the material being extruded. While the extruded or meltblown filament may change shape before it solidifies, there nevertheless is a unique structure remaining on the tissue sheet that is different than deposits that are sprayed or printed onto the surface of the sheet. While one may argue, in some cases, that the shape of the dried deposit is no longer that of a filament, there is no question that the teachings of Hermans et al. does not anticipate the presence of extruded filaments on the surface of the tissue. For the foregoing reasons, Hermans et al. does not anticipate the subject matter of Appellants' claims.

#### Further Discussion Regarding Claim 28

As mentioned above, dependent claim 28 specifies that the extruded filaments are "melt blown". Melt blowing is a well known process for producing nonwoven webs. One of ordinary skill in the art would not equate the deposits produced by melt blowing with those produced by printing or spraying. Therefore claim 28 is not anticipated by Hermans et al. for this additional reason.

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**Conclusion**

For the reasons stated above it is Appellants' position that the rejection of claims 1, 3-17 and 22-28 has been shown to be improper and should be **reversed** by the Board.

Please charge the \$510.00 fee (fee code 1402), pursuant to 37 C.F.R. 41.20(b)(2), for filing this Appeal Brief to Kimberly-Clark Worldwide, Inc. deposit account number 11-0875. Any additional prosecutorial fees which are due may also be charged to deposit account number 11-0875.

The undersigned may be reached at: (920) 721-3616.

Respectfully submitted,

CLAYTON CHARLES TROXELL ET AL.

By: \_\_\_\_\_

Gregory E. Croft

Registration No.: 27,542

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\_\_\_\_\_  
Judy Garot

Signature: \_\_\_\_\_

Judy Garot

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**Claims Appendix**

The claims on appeal are:

1. A product comprising:

a single ply web comprising cellulosic fibers having a first and a second opposing sides;

a plurality of extruded filaments of a chemical additive extruded onto the first and/or second opposing side of the web;

the single ply web wound into a roll;

the roll having a roll bulk about 10 cc/g or greater; and

the first and/or second opposing side with the chemical additive filaments having a Fuzz-On-Edge about 1.8 mm/mm or greater.

3. The product of claim 1 or 2 wherein the roll bulk is about 11 cc/g or greater.

4. The product of claim 1 or 2 wherein the roll bulk is between about 10 cc/g to about 16 cc/g.

5. The product of claim 1 or 2 wherein the roll bulk is between about 11 cc/g to about 16 cc/g.

6. The product of claim 1 or 2 wherein the Fuzz-On Edge is about 2.4 mm/mm or greater.

7. The product of claim 1 or 2 wherein the Fuzz-On Edge is about 2.8 mm/mm or greater.

8. The product of claim 1 or 2 wherein the Fuzz-On Edge is between about 2.0 mm/mm to about 3.0 mm/mm.

9. The product of claim 1 or 2 wherein the web comprises a bath tissue web.
10. The product of claim 1 or 2 wherein the extruded filaments of the chemical additive are extruded onto both the first and the second opposing sides.
11. The product of claim 5 wherein the Fuzz-On Edge is between about 2.0 mm/mm to about 3.0 mm/mm.
12. The product of claim 5 wherein the Fuzz-On Edge is between about 2.2 mm/mm to about 2.9 mm/mm.
13. The product of claim 1 or 2 wherein the chemical additive comprises polysiloxane.
14. The product of claim 1 or 2 wherein the Kershaw firmness is between about 12 mm to about 0 mm.
15. The product of claim 1 or 2 wherein the CD Kawabata Bending Stiffness is about 0.06 or less.
16. The product of claim 11 wherein the CD Kawabata Bending Stiffness is about 0.04 or less.
17. The product of claim 1, 2, 5, 10, 11, 13, 14, 15, or 16 wherein the first or second opposing side with the applied chemical contains a plurality of fuzzy fibers generated by a shear calendering device.
22. The product of claim 1 or 2 wherein the chemical additive has a viscosity of between about 1,500 cps to about 10,000 cps.
23. The product of claim 1 or 2 wherein the extruded filaments form a network.

24. The product of claim 1 or 2 wherein the chemical additive has a viscosity of between about 1,000 cps to about 50,000 cps.
  25. The product of claim 1 or 2 wherein the extruded filaments of the chemical additive are extruded onto only one opposing side of the web.
  26. The product of claim 1 or 2 wherein extruded filaments are continuous.
  27. The product of claim 1 or 2 wherein the extruded filaments are discontinuous.
  28. The product of claim 1 or 2 wherein the extruded filaments are melt blown.
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**Evidence Appendix**

No evidence is submitted with this Appeal Brief.

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**Related Proceedings Appendix**

There are no known related proceedings.

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